

Title (en)

Liquid ring pump

Title (de)

Flüssigkeitsringpumpe

Title (fr)

Pompe à anneau de liquide

Publication

EP 1308626 B1 20040616 (DE)

Application

EP 01126117 A 20011102

Priority

EP 01126117 A 20011102

Abstract (en)

[origin: EP1308626A1] The liquid ring pump has an impeller (3) which on one side has a closed end wall (11), and on the other side a mechanical seal (9) pressurized with flushing fluid. In the end wall at least one arc-shaped radially curved slot (12) is orientated towards the circumference of the impeller and when viewed opposite the direction of rotation extends from the inside towards the circumference of the impeller. The slots are spiral form in construction and multi-start. The impeller is installed on the pump shaft (1).

IPC 1-7

F04C 19/00; F04C 27/00

IPC 8 full level

F04C 27/00 (2006.01); **F04C 19/00** (2006.01)

CPC (source: EP)

F04C 27/009 (2013.01); **F04C 19/00** (2013.01)

Cited by

CN103486045A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1308626 A1 20030507; **EP 1308626 B1 20040616**; AT E269492 T1 20040715; DE 50102618 D1 20040722

DOCDB simple family (application)

EP 01126117 A 20011102; AT 01126117 T 20011102; DE 50102618 T 20011102